



Caledonian

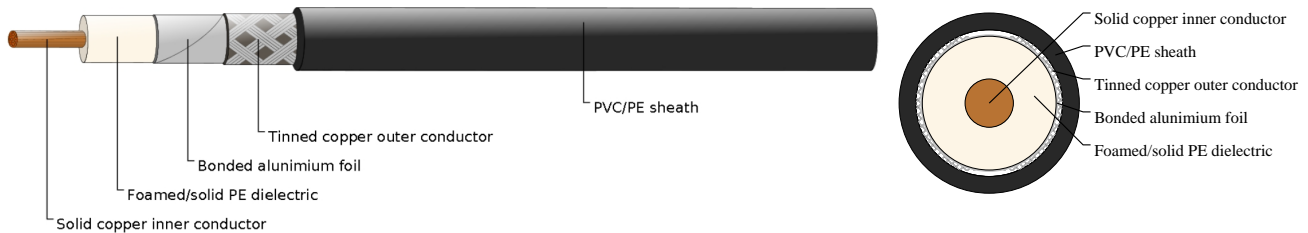
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

50 Ohm RF Coaxial Cables

8D-FB



Construction

Inner conductor	Solid copper	Φ2.8 mm
Dielectric	Foam /Solid PE	Φ7.8±0.02 mm
Shield	Bonded aluminium foil	Φ8 mm
Outer conductor	Tinned copper braid	Φ8.6 mm
Shield coverage	/	85%
Outer sheath	PVC/PE	Φ10.6 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	82 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	2.4(4.4) Ohm/Km
Outer conductor resistance	9.34Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	52mm
Screening effectiveness	>90 dB
Return loss	>20 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	4.1	1.2
150	5.1	1.6
280	7.1	2.2
350	8.1	2.5
400	8.7	2.7



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800	12.9	3.9
900	13.8	4.2
1200	16.3	5
1500	18.6	5.7
1800	20.8	6.3
1900	21.5	6.6
2000	21.5	6.7